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Sub C7

LEACV-X₁₀₁-Q-X₁₀₃-V-X₁₀₅-X₁₀₆-X₁₀₇-X₁₀₈-TPLMN-X₁₁₄-D-X₁₁₆-ILAV-X₁₂₁-KY-X₁₂₄-QRITLYL-X₁₃₂-E-X₁₃₄-KYSPC-X₁₄₀-WEVVRAEIMRSFSFSTNLQKRLRRKE, or a conservatively substituted variation thereof;

wherein X₁₁ is N or D; X₁₂ is R, S, or K; X₁₅ is L or M; X₁₆ is I, M, or V; X₁₉ is A or G; X₂₂ is G or R; X₂₄ is I or T; X₂₆ is P or H; X₃₄ is H, Y or Q; X₃₈ is F or L; X₄₀ is Q or R; X₄₅ is G or S; X₄₆ is N or H; X₄₇ is Q or R; X₅₀ is K or R; X₅₁ is A or T; X₅₅ is S or F; X₅₆ is V or A; X₅₇ is L or F; X₆₀ is M or I; X₆₁ is I or M; X₆₇ is L or F; X₇₂ is D or N; X₇₅ is A or V; X₇₆ is A or T; X₇₈ is E or D; X₇₉ is Q or E; X₈₀ is S, R, T, or N; X₈₃ is E or D; X₈₅ is F or L; X₈₈ is E or G; X₉₀ is Y, H, N; X₉₅ is D, E, or N; X₁₀₁ is I, M, or V; X₁₀₃ is E or G; X₁₀₅ is G or W; X₁₀₆ is V or M; X₁₀₇ is E, G, or K; X₁₀₈ is E or G; X₁₁₄ is V, E, or G; X₁₁₆ is S or P; X₁₂₁ is K or R; X₁₂₄ is F or L; X₁₃₂ is T, I, or M; X₁₃₄ is K or R; and X₁₄₀ is A or S.

Concluded

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36. (Amended) The polypeptide of claim 34, comprising a sequence selected from the group consisting of SEQ ID NO:36 to SEQ ID NO:46 and SEQ ID NO:48 to SEQ ID NO:54.

Please add the following new claims:

149. (New) An isolated or recombinant polypeptide comprising a sequence having at least 96% sequence identity over the entire length of a sequence selected from the group consisting of: SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:45, SEQ ID NO:52, SEQ ID NO:54, and a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

150. (New) The polypeptide of claim 149, comprising a sequence having at least 96% sequence identity over the entire length of SEQ ID NO:40 or a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

151. (New) The polypeptide of claim 150, comprising a sequence selected from the group consisting of SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:46, and a fragment thereof which

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exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

152. (New) The polypeptide of claim 149, comprising a sequence having at least 96% sequence identity over the entire length of SEQ ID NO:41 or a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

153. (New) The polypeptide of claim 152, comprising a sequence selected from the group consisting of SEQ ID NO:41, SEQ ID NO:40, SEQ ID NO:46, SEQ ID NO:39, SEQ ID NO:45, SEQ ID NO:36, and a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

154. (New) The polypeptide of claim 149, comprising a sequence having at least 96% sequence identity over the entire length of SEQ ID NO:45 or a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

155. (New) The polypeptide of claim 154, comprising a sequence selected from the group consisting of SEQ ID NO:45, SEQ ID NO:36, SEQ ID NO:46, SEQ ID NO:41, SEQ ID NO:39, SEQ ID NO:42, and a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.

156. (New) The polypeptide of claim 149, comprising a sequence having at least 97% sequence identity over the entire length of a sequence selected from the group consisting of: SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:45, SEQ ID NO:52, SEQ ID NO:54, and a fragment thereof which exhibits an antiproliferative activity in a human Daudi cell line-based cell proliferation assay or an antiviral activity in a human WISH cell/EMCV-based assay.